

# ISO/TS 18234-4:2006-06 (E)

## Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group (TPEG) data-streams - Part 4: Road Traffic Message (RTM) application

---

| <b>Contents</b>       |   | <b>Page</b> |
|-----------------------|---|-------------|
| Foreword .....        |   | iv          |
| Introduction .....    |   | v           |
| 1                     | Scope .....   | 1           |
| 2                     | Normative references .....                            | 1           |
| 3                     | Terms and definitions .....                           | 2           |
| 4                     | Symbols and abbreviations .....                       | 4           |
| 5                     | RTM application overview .....                        | 6           |
| 5.1                   | Introduction .....                                    | 6           |
| 5.2                   | TPEG-message concept .....                            | 8           |
| 5.3                   | TPEG-messages delivering additional information ..... | 9           |
| 5.4                   | Elements of a TPEG road traffic message .....         | 9           |
| 5.5                   | Message management .....                              | 11          |
| 5.6                   | Event description .....                               | 13          |
| 5.7                   | Location Referencing .....                            | 14          |
| 6                     | RTM container .....                                   | 14          |
| 6.1                   | Structure of road traffic messages .....              | 14          |
| 6.2                   | Notation .....  | 16          |
| 6.3                   | RTM application component frame .....                 | 17          |
| 7                     | Message management container .....                    | 18          |
| 7.1                   | Mandatory elements .....                              | 18          |
| 7.2                   | Date and time elements .....                          | 18          |
| 7.3                   | Severity and reliability elements .....               | 19          |
| 7.4                   | Coding of the message management container .....      | 19          |
| 8                     | Event container .....                                 | 21          |
| 8.1                   | Event description .....                               | 21          |
| 8.2                   | Level one classes .....                               | 21          |
| 8.3                   | Coding of the events container .....                  | 26          |
| 8.4                   | RTM application primitives .....                      | 58          |
| Annex A (informative) | Conversion formulae .....                             | 96          |
| Bibliography .....    |   | 98          |